BRUHATH BANGALORE MAHANAGARA PALIKE

PWD FORM -45 (WORK SILP)

Name of work: - Construction of Anganawadi Building at Kodigehalli in Ward No. 8 Kodigehalli sub Division.

Name of Contractor: Sri. K.V. Subbareddy
Estimated Cost:-19.90 Lakhs
CER No:-
Work order No:- EE/BTP/BBMP/E-TND/342/2011-12

Groound floor.

Sl. No	Description	Unit	As per estimates			As per tenders			Actual Excecuted Qty			Qty upto 125%			Qty above 125%			Savings	Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount			
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not	Cum	35.20	106.00	3731.00	35.20	111.19	3914.00	41.60	111.19	4625.50	41.60	111.19	4625.50	-	-	-		711.50	
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m	Cum	127.58	190.80	24342.00	127.58	200.15	25535.00	104.88	200.15	20991.73	104.88	200.15	20991.73	-	-	-	4543.25	-	
3	foundation with granite / trap broken metal 10mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P6/2.15)	Cum	5.04	1013.36	5107.00	5.04	1063.01	5358.00	7.07	1063.01	7515.48	7.07	1063.01	7515.48	-	-	-		2157.48	
4	laying in position plain cement concrete mix 1:4:8 with stone aggregate 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level / bed level machine mixed, concrete laid in layers	Cum	22.89	3431.22	78541.00	22.89	3599.35	82389.00	24.34	3599.35	87608.18	24.34	3599.35	87608.18	-	-	-		5219.18	
5	constructing granite / trap / basalt size stone masonry in foundation **cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per	Cum	47.68	2548.24	121500.00	47.68	2673.10	127453.00	35.01	2673.10	93585.23	35.01	2673.10	93585.23	-	-	-	33867.77		
6	constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete	Cum	20.62	3018.88	62249.00	20.62	3166.81	65300.00	14.73	3166.81	46647.11	14.73	3166.81	46647.11	-	-		18652.89	-	

Savings Excess Remark

7	position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not excedding 15cms. Thick well compacted in foundation, plinth and cills, including cost of all materials,	**Cum**	9.58	4578.14	43859.00	9.58	4802.47	46008.00	4.14	4802.47	19882.23	4.14	4802.47	19882.23	-	-	-	26125.77	-	
8	KSRB 15.1.1 Providing flush pointing to coursed stone masonry with **cement mortar 1:3,** 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.122/I.15.3)	**Sqm**	59.27	66.04	3914.00	59.27	69.27	4106.00	29.25	69.27	2026.15	29.25	69.27	2026.15	-	-	-	2079.85	-	
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (P.6/2.10 PWD SR 2010-11)	Cum	127.58	85.63	10925.00	127.58	89.84	11462.00	104.88	89.84	9422.42	104.88	89.84	9422.42	-	-	-	2039.58		
10	KSRB 2.6: Prividing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. (P6/2.13)	**Cum**	26.73	1081.20	28900.00	26.73	1134.18	30317.00	24.96	1134.18	28309.13	24.96	1134.18	28309.13	-	-	-	2007.87		
11	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of materials, labour complete as per specifications.	**Sqm**	29.40	156.88	4612.00	29.40	164.57	4838.00	46.90	164.57	7718.33	46.90	164.57	7718.33	-	-	-		2880.33	
12	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/ rectangular/polygon in plan including cost of all materials, labour complete as per specifications.	**Sqm**	72.77	243.80	17741.00	72.77	255.75	18611.00	72.77	255.75	18610.93	72.77	255.75	18610.93	-	-	-	0.07		
13	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specifications. (P15/4.36)	**Sqm**	43.66	491.84	21474.00	43.66	515.94	22526.00	41.93	515.94	21633.36	41.93	515.94	21633.36	-	-	-	892.64	-	
14	KSRB 4-6.7: Providing and removing centerign, shuttering strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of		72.76	169.60	12340.00	72.76	177.91	12945.00	85.63	177.91	15234.43	85.63	177.91	15234.43	-	-	-	-	2289.43	

15	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.37)	Sqm	2.70	182.32	492.00	2.70	191.25	516.00	6.75	191.25	1290.94	6.75	191.25	1290.94	-	-	-	-	774.94	
16	centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications.	Sqm	152.43	233.20	35547.00	152.43	244.63	37289.00	176.46	244.63	43167.41	176.46	244.63	43167.41	-	-	-	-	5878.41	
17	position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure	Cum	51.02	5150.54	262781.00	51.02	5402.92	275657.00	64.53	5402.92	348650.43	64.53	5402.92	348650.43	-	-	-	-	72993.43	
18	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 (M20) with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery finishing curing complete as per	Sqm	4.59	389.23	1787.00	4.59	408.30	1874.00	12.23	408.30	4993.51	12.23	408.30	4993.51	-	-	-	-	3119.51	
19	reinforcement bars including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tieing with binding wire, anchoring to the adjoining members wherever necessary, as per designs (laps,	Qntl	54.59	5108.14	278853.00	54.59	5358.44	292517.00	72.63	5358.44	389103.00	72.63	5358.44	389103.00	-	-	-	-	96586.00	
20	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,	Sqm	276.56	627.52	173547.00	276.56	658.27	182051.00	0.00	658.27	0.00	0.00	658.27	0.00	-	-	-	182051.00	-	
	laying in position plain cement concrete mix 1:3:6 with stone aggregate 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level / bed level machine mixed, concrete laid in layers	Cum	25.18	3769.36	94912.00	25.18	3954.06	99563.00	18.71	3954.06	73980.46	18.71	3954.06	73980.46	-	-	-	25582.54		
	40mm thick polished tandur blue stone slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, , including cost of	Sqm	141.90	753.24	106885.00	141.90	790.14	112121.00	0.00	790.14	0.00	0.00	790.14	0.00	-	-	-	112121.00		

	Supplying and fixing pressed steel door frames size 125x65mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made our of seasoned Honne wood, styles of	Sqm	13.86	3286.00	45544.00	13.86	3447.01	47776.00	0.00	3447.01	0.00	0.00	3447.01	0.00	-	-	-	47776.00		
	position in cement concrete 1:3:6 steel galzed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419Kg/m both for outer and inner frames and central mullion section of size	Sqm	7.79	2832.32	22064.00	7.79	2971.10	23145.00	9.74	2971.10	28938.51	9.74	2971.10	28938.51	2.32	3461.02	8029.57	-	5793.51	
									2.32	3461.02	8029.57								8029.57
	KSRB 7.1: Providing and fixing in position collapsable steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers	Sqm	9.45	3265.86	30862.00	9.45	3425.89	32375.00	0.00	3425.89	0.00	0.00	3425.89	0.00	-	-	-	32375.00		
	cement plaster in single coat with **cement mortar 1:4**, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	107.41	125.93	13526.00	107.41	132.10	14189.00	134.82	132.10	17809.72	134.82	132.10	17809.72	-	-	-	-	3620.72	
	cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	311.54	117.45	36590.00	311.54	123.20	38382.00	386.60	123.20	47629.12	386.60	123.20	47629.12	-	-	-	-	9247.12	
	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99/15.33)	Sqm	418.95	16.96	7105.00	418.95	17.79	7455.00	521.42	17.79	9276.06	521.42	17.79	9276.06	-	-	-	-	1823.06	
	Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc. complete. (P234/37.30)	Sqm	9.36	551.20	5159.00	9.36	578.21	5412.00	7.20	578.21	4163.11	7.20	578.21	4163.11	-	-	-	1248.89		
	cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing	Sqm	139.19	165.15	22987.00	139.19	173.24	24113.00	161.58	173.24	27992.12	161.58	173.24	27992.12	-	-	-	-	3879.12	
	KSRB 15.3.3 Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour,	Sqm	338.93	106.53	36106.00	338.93	111.75	37875.00	420.13	111.75	46949.53	420.13	111.75	46949.53	-	-	-	-	9074.53	

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	wall surface 4.0Kg/Sqcm HDPE rain down water pipes 110mm outer dia. Approved makes and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per	Rmtr	14.35	448.38	6434.00	14.35	470.35	6750.00	14.00	470.35	6584.90	14.00	470.35	6584.90	-	-	-	165.10		
	KSRB 15-14.1: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other	Sqm	418.95	51.94	21760.00	418.95	54.49	22829.00	521.42	54.49	28412.18	521.42	54.49	28412.18	-	-	-	-	5583.18	
	two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand	Sqm	338.93	36.46	12357.00	338.93	38.25	12964.00	420.13	38.25	16069.97	420.13	38.25	16069.97	-	-	-	-	3105.97	
	vitreous china clay, water closet Orissa pattern of size 580x440mm with integral type footrests, 100mm S or P trap, 10 litre low level, PVC flushing cistern (all are Approved make) with fitting CI/M.S brackets, 32mm diameter flush pipe fittings and	Pan	1.00	3386.70	3387.00	1.00	3552.65	3553.00	1.00	3552.65	3552.65	1.00	3552.65	3552.65	-	-	-	0.35		
	white vitreous china clay, flat back wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with C.I/M.S brackets 32mm C.P. brass waste of standard pattern painting of fittings and brackets, cutting and making good the wall and floor	Unit	2.00	3571.14	7142.00	2.00	3746.13	7492.00	2.00	3746.13	7492.26	2.00	3746.13	7492.26	-	-	-	-	0.26	
	Staire case Grill, Gate and Office Furnichars etc.	L/S	-	-	120000.00	-	-	-	-	-	-	-	-	-	-	-	-			
	Providing Electrification including wiring switch board etc. completed	L/S	-	-	60000.00	-	-	-	-	-	-	-	-	-	-	-	-			
	Water Supply and Sanitary Charges	L/S	-	-	50000.00	-	-	-	-	-	-	-	-	-	-	-	-			
	Dismentaling of Old toilet Builng and Stair Case Grill	L/S	-	-	70000.00	-	-	-	-	-	-	-	-	-	-	-	-			
	Extra Items					-	-	-	-	-	-	-	-	-						
1	KSRB 6-4.5 : Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 35 withcement mortar 1:6 including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Cum	-	-	-	-	-	-	29.80	5236.40	156044.72	29.80	5236.40	156044.72	-	-	-	-	156044.72	
2	KSRB 6-8.1 :Construction of partition wall 10 cms thick with table moulded modular burnt bricks of class designation 50 with cement mortar 1:4including providing and fixing plaster mesh manufactured out of hot dipped gelvanised iron of nominal thickness 0.35 mm. 100 mm. wide as per IS 9910/1991 at 7.5 cm c/c	Sqm	-	-	-	-	-	-	26.63	637.06	16964.91	26.63	637.06	16964.91	-	-	-	-	16964.91	

3	KSRB 9.4-2:Providing of doors windows, clerestory windows, ventilators, and other trams wrought tramed or assembled including making plaster groves (excluding cost of cement concrete and side slamps. But	cum	-	-	-	-	-	-	0.45	75699	34067.96	0.45	75699	34064.96	-	-	-	-	34064.96
4	KSRB 9-5-2: Providing and fixing in posistion fully panelled honne wood shutters for doors, styles and rails of	sqm	-	-	-	-	-	-	8.82	3474.7	30646.68	8.82	3474.7	30646.68	-	-	-	-	30646.68
5	Providing & fixing factory made PVC door frame of size 50x47 mm with a wall thikness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of	sqm	-	-	-	-	-	-	4.73	332.84	1574.33	4.73	332.84	1574.33	-	-	-	-	1574.33
6	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails coverted with	sqm	-	-	-	-	-	-	4.73	2002.3	9471.07	4.73	2002.3	9471.07	-	-	-	-	9471.07
	Total				1965062			1746661.94			1746661.94			1738632.37			8029.57	491529.56	491529.52

SUMMARY:
1)Estimated cost Rs: 1965062.00

2)Executed cost Rs:174661.94
3)During execution as per requirement and site condition, the estimated cost of the amount of the exeuted Rs:174661.94 whict is equale to the Tender cost. Hence the proposal may kindly be approved.

Assistant Engineer

Executive Engineer
Byatarayanapura division
Bangalore-92

Assistant Executive Engineer
Kodigehalli sub division
Bangalore-92

Chief Engineer 13
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore 92